Question Paper
ANMC Question Paper 2019 - Class 7

Exam ID : TEST/2024/02/18173538 Report Generation Date : 3/26/2024 3:00:27 PM

Q1: When the price of a product was decreased by 30%, the number sold increased by 60%, what was the increase on the total revenue?

A: 12%

B: 10%

C: 9%

D: 15%

Answer: A

Q2: What is 50% of 40% of 300?

A: 60

B: 20

C: 30

D: 40

Answer: A

Q3: If a merchant estimates his profit as 15% of the selling price, what is the profit percent?

A: 16.25%

B: 18.45%

C: 17.65%

D: 16.78%

Answer: C

Q4: Find the value of: {(2/3 + 1/6) + [5/9 ÷ 10/27] - (3/2 + 7)}

A: -47/6

B: 1

C: -37/6

D: 47/6

Answer: C

Q5: What number should be subtracted from 4/9 to get -5/11?

A: 89/99

B: -86/99

C: -89/99

D: 86/99

Answer: A

Question Paper
ANMC Question Paper 2019 - Class 7

Exam ID : TEST/2024/02/18173538 Report Generation Date : 3/26/2024 3:00:27 PM

Q6: Find the additive inverse of: [9/4 × 1/3 + 7]

A: 4/31

B: 31/4

C: -31/4

D: -4/31

Answer: C

Q7: If 4x + 7y = 5 and 64x3 + 343y3 = 110 then the value of the product of x and y is:

A: 28

B: 25

C: 1/25

D: 1/28

Answer: D

Q8: If a + b + c = 8, ab + bc + ca = 24, a3 + b3 = 67, b3 + c3 = 70 and c3 + a3 = 43 then what is the value of 3abc?

A: 154

B: 84

C: 230

D: 63

Answer: A

Q9: If x2 + 6x + 1 = 0, then find x2 + 1/x2

A: 34

B: 36

C: 38

D: 40

Answer: A

Q10: If a3 - b3 = 35 and a - b = 5, then the value of (a2 + b2 + ab) is:

A: 7

B: 40

C: 30

D: 12

Answer: A

Question Paper
ANMC Question Paper 2019 - Class 7

Exam ID : TEST/2024/02/18173538 Report Generation Date : 3/26/2024 3:00:27 PM

Q11: When 295 is added to 5A4, the result is 8B9. 8B9 is divisible by 3. What is the largest possible value of A?

A: 8

B: 5

C: 9

D: 6

Answer: A

Q12: If a + b + c = 5 and a2 + b2 + c2 = 12 and 1/a + 1/b + 1/c = 3 then find abc.

A: 12/5

B: 15/7

C: 13/6

D: 16/7

Answer: C

Q13: If x2 - (1/3)x - 1 = 0, then find x3 - 1/x3

A: 27/28

B: 28/27

C: 29/26

D: 26/29

Answer: B

Q14: 6 1/5 + 5 1/3 + 4 1/2 = ?

A: 487/30

B: 481/30

C: 483/30

D: 485/30

Answer: B

Q15: Give a simple fraction for 6.25

A: 5/8

B: 5/6

C: 25/4

D: 4/7

Answer: C

Q16: Since Ram was not paying attention in class, instead of multiplying M by 3/7, he divided M by 3/7. Ram's value was 2 2/14 more than expected value of M. What is M?

A: 9/8

B: 8/9

C: 10/9

D: 9/10

Answer: A

Q17: A car is marked at Rs. 1000000. The dealer allows successive discounts of 20%, 10% and 2 1/3% on it. What is the net selling price of it?

A: Rs. 703224

B: Rs. 703624

C: Rs. 703284

D: Rs. 703574

Answer: A

Q18: Nikita takes a loan of Rs. 5,000 at 18% per year as rate of interest. Find the interest she has to pay at the end of one year.

A: Rs. 900

B: Rs. 800

C: Rs. 860

D: Rs. 920

Answer: A

Q19: If 29% of 12% of 64 = 32% of x, then x is:

A: 6.96

B: 6.25

C: 6.58

D: 6.68

Answer: A

Question Paper
ANMC Question Paper 2019 - Class 7

Exam ID : TEST/2024/02/18173538 Report Generation Date : 3/26/2024 3:00:27 PM

Q20: If a merchant estimates his profit as 30.43% of the selling price then which of the following is nearest option of the profit percent?

A: 43.75%

B: 40.45%

C: 45.62%

D: 46.78%

Answer: A

Q21: Find the cost of 23/5 meters of cloth at Rs. 137/4 per meter.

A: Rs. 3151/20

B: Rs. 3141/20

C: Rs. 3171/20

D: Rs. 3131/20

Answer: A

Q22: A cord of length 165/2 m has been cut into 24 pieces of equal length. What is the length of each piece?

A: 11/3 m

B: 33/8 m

C: 45/14 m

D: 55/16 m

Answer: D

Q23: Simplify: (13/9 × -15/2) + (7/3 × 8/5) + (3/5 × 1/3)

A: 65/9

B: -69/10

C: 81/10

D: -73/9

Answer: B

Q24: If x – 1/x = 3 then find the value of x3 + 1/x3 - 5(13)1/2

A: 4(13)1/2

B: (13)1/2

C: 13

D: 5(13)1/2

Answer: D

Question Paper
ANMC Question Paper 2019 - Class 7

Exam ID : TEST/2024/02/18173538 Report Generation Date : 3/26/2024 3:00:27 PM

Q25: If 25x2 + 49y2 + 16z2 + 30 = 40x – 42y + 40z – 20, then the value of (7y + xz) will be:

A: -1

B: 3

C: 0

D: -2

Answer: D

Q26: A student was asked to multiply a number by 7/9. Instead he divided it with 7/9 and got an answer 48 more than the correct answer. Find the number.

A: 263/4

B: 175/2

C: 277/4

D: 189/2

Answer: D

Q27: Which of the following is largest fraction amongst 15/16, 23/25, 12/13 and 14/15?

A: 23/25

B: 12/13

C: 15/16

D: 14/15

Answer: C

Q28: If 3x + 5y = 23 and x = 3y, then y =?

A: 14/23

B: 23/14

C: 15/23

D: 23/15

Answer: B

Q29: In a fraction the numerator is 5 less than the denominator. If six is added to the denominator the denominator of the resultant fraction is double the numerator. Find the fraction.

A: 13/18

B: 8/13

C: 12/17

D: 11/16

Answer: D

Question Paper
ANMC Question Paper 2019 - Class 7

Exam ID : TEST/2024/02/18173538 Report Generation Date : 3/26/2024 3:00:27 PM

Q30: In a class of 60 students, one day 1/5 of the students were absent. Find the number of present students on that day.

A: 48

B: 52

C: 50

D: 45

Answer: A